INDEX TO VOLUME VI.

A.

Air, Constant of radiation of, *Duff*, 129.
Alternating current curves, Tracer for, *Rosa*, 17.
Anthony, Wm. A., *Elementary Text-book on Physics*, 175.
Apparatus for illustrating potential gradient, *Wood*, 164.
Apparatus for showing the conductivity of gases, *Wood*, 165.
Atkinson, Philip, *The Elements of Electric Lighting*, 255.
Attenuation of sound and constant of radiation of air, *Duff*, 129.
Austin, Louis W., *Exercises in Physical Measurement*, 184.

B.

Baldwin, Caroline W., *Physics Course of the California School of Mechanical Arts*, 185.
Barnett, Samuel J., On the coefficient of absolute rigidity of quartz fibers, and its time and temperature variation, 114.
On the surface tension of liquids under the influence of electrostatic induction, 257.
Barus, Carl, On a method of obtaining pores of capillary canals of specified diameter, 52.
Becquerel Rays, A resumé of the experiments dealing with the properties of, *Stewart*, 239.
Bedell, F., Atkinson's *The Elements of Electric Lighting*, 255.
Fisher's *The Potentiometer and its Adjuncts*, 256.
Gerard's *Electricity and Magnetism*, 180.
Joyce's *Examples in Electrical Engineering*, 256.
Perry's *The Calculus for Engineers*, 179.
Berens, Louis, *Some Unrecognized Laws of Nature*, 127.
Bergen, Joseph Y., *A Text Book of Physics*, 185.
Book Reviews:
Applied mechanics, *Perry*, 189.
Calculus for engineers, *Perry*, 179.
De Photographie der Gestirne, *Scheiner*, 58.
Die Photometrie der Gestirne, *Müller*, 60.
Electricity and magnetism, *Gerard*, 180.
Elementary text-book on physics, *Anthony and Brackett*, 175.
Elements of electric lighting, *Atkinson*, 255.
Elements of theoretical physics, *Christiansen*, 190.
Examples in electrical engineering, *Joyce*, 256.
Exercises in physical measurement, *Austin and Thwing*, 184.
Induction coil in practical work including Röntgen X rays, *Wright*, 126.
Intermediate course of practical physics, *Schuster Lees*, 184.
Introductory course in differential equations, *Murray*, 62.
Laboratory notebook of elementary practical physics, *Wilberforce and Fitzpatrick*, 184.
Lehrbuch der Experimentalphysik, *Wuellner*, 252.
Observation blanks in physics, *Hammel*, 185.
Physical experiments, a manual and notebook, *Gage*, 185.
Physics course of the California school of mechanical arts, *Merrill and Baldwin*, 185.

INDEX TO VOLUME VI.

A.

Air, Constant of radiation of, *Duff*, 129.
Alternating current curves, Tracer for, *Rosa*, 17.
Anthony, Wm. A., *Elementary Text-book on Physics*, 175.
Apparatus for illustrating potential gradient, *Wood*, 164.
Apparatus for showing the conductivity of gases, *Wood*, 165.
Atkinson, Philip, *The Elements of Electric Lighting*, 255.
Attenuation of sound and constant of radiation of air, *Duff*, 129.
Austin, Louis W., *Exercises in Physical Measurement*, 184.

B.

Baldwin, Caroline W., *Physics Course of the California School of Mechanical Arts*, 185.
Barnett, Samuel J., On the coefficient of absolute rigidity of quartz fibers, and its time and temperature variation, 114.
On the surface tension of liquids under the influence of electrostatic induction, 257.
Barus, Carl, On a method of obtaining pores of capillary canals of specified diameter, 52.
Becquerel Rays, A resumé of the experiments dealing with the properties of, *Stewart*, 239.
Bedell, F., Atkinson's *The Elements of Electric Lighting*, 255.
Fisher's *The Potentiometer and its Adjuncts*, 256.
Gerard's *Electricity and Magnetism*, 180.
Joyce's *Examples in Electrical Engineering*, 256.
Perry's *The Calculus for Engineers*, 179.
Berens, Louis, *Some Unrecognized Laws of Nature*, 127.
Bergen, Joseph Y., *A Text Book of Physics*, 185.
Book Reviews:
Applied mechanics, *Perry*, 189.
Calculus for engineers, *Perry*, 179.
De Photographie der Gestirne, *Scheiner*, 58.
Die Photometrie der Gestirne, *Müller*, 60.
Electricity and magnetism, *Gerard*, 180.
Elementary text-book on physics, *Anthony and Brackett*, 175.
Elements of electric lighting, *Atkinson*, 255.
Elements of theoretical physics, *Christiansen*, 190.
Examples in electrical engineering, *Joyce*, 256.
Exercises in physical measurement, *Austin and Thwing*, 184.
Induction coil in practical work including Röntgen X rays, *Wright*, 126.
Intermediate course of practical physics, *Schuster Lees*, 184.
Introductory course in differential equations, *Murray*, 62.
Laboratory notebook of elementary practical physics, *Wilberforce and Fitzpatrick*, 184.
Lehrbuch der Experimentalphysik, *Wuellner*, 252.
Observation blanks in physics, *Hammel*, 185.
Physical experiments, a manual and notebook, *Gage*, 185.
Physics course of the California school of mechanical arts, *Merrill and Baldwin*, 185.

Physics for grammar schools, *Harrington*, 185.
Physikalisches Praktikum, *Wiedemann and Ebert*, 184.
Potentiometer and its adjuncts, *Fisher*, 256.
Principles of alternating current working, *Hay*, 254.
Some unrecognized laws of nature, *Singer and Berens*, 127.
Tafeln und Tabellen zur Darstellung der Ergebnisse Spectroskopischer und Spectrophotometrischer Beobachtungen, *Engelmann*, 183.
Text-book of physics, *Hall and Bergen*, 185.
Theory of groups of a finite order, *Burnside*, 182.
Traité élémentaire de méchanique chimique fondée sur la thermodynamique, *Duhem*, 170.
Transactions of the American Institute of Electrical Engineers, 181.
Brackett, Cyrus F., *Elementary Text-Book on Physics*, 175.
Bruère, Alice H., On the polarization of the light reflected from hard rubber, 140.
Burnside, W., *Theory of Groups of a Finite Order*, 182.

C.

Candle power, On the methods of measuring mean horizontal, *Matthews*, 55.
Capillary canals of specified diameter, On a method of obtaining, *Barus*, 52.
Child, Clement D., On the fall of potential at the surface of a metal when exposed to the discharging action of the X-rays, 285.
Christiansen, C., *Elements of Theoretical Physics*, 190.
Clark, Arthur L., On the specific inductive capacity of certain oils, 120.
Comparison of Rowland's thermometers with the Paris standard, and a reduction of his value of the mechanical equivalent of heat to the hydrogen scale, *Day*, 193.
Conductivity of gases, Apparatus for showing, 165.
Crew, Henry, On the latitude variation in a rigid earth, as illustrated by Maxwell's dynamical top, 153.
Curve tracer, An electric, *Rosa*, 17.

D.

Day, William S., A comparison of Rowland's thermometers with the Paris standard, and a reduction of his value of the mechanical equivalent of heat to the hydrogen scale, 193.
Diamagnetic substances, Susceptibility of, *Wills*, 223.
Dielectric constant of oils, *Clark*, 120.
Diffusion of residual gases in high vacua, *Merritt*, 167.
Disruptive discharge in air and liquid dielectrics, *Edmonson*, 65.
Duff, A. Wilmer, The attenuation of sound and the constant of radiation of air 129.
Duhem, P., *Traité Élémentaire de Méchan. ique Chimique fondée sur la Thermodynamique*, 170.
Duncan, Louis, Translation of Gerard's *Electricity and Magnetism*, 180.

E.

Ebert, Hermann, *Physikalisches Praktikum*, 184.
Edmondson, T. W., On the disruptive discharge in air and liquid dielectrics, 65.
Electric curve tracer, *Rosa*, 17.
Electrical Engineers, Transactions of the American Institute of, 181.
Electrical oscillations, Determination of the period of, *Webster*, 297.
Electrical resistance of thin films, *Stone*, 1.
Electrometer, Construction of, 69.
Electrostatic induction, Surface tension of liquids under the influence of, *Barnett*, 257.
Engelmann, Th. W., *Tafeln und Tabellen zur Darstellung der Ergebnisse spectroskopischer und spectrophotometrischer Beobachtungen*, 183.
Experimental determination of the period of electrical oscillations, *Webster*, 297.

F.

Fall of potential at the surface of a Metal when exposed to the discharging action of the X-rays, *Child*, 285.

Fisher, W. Clark, *The Potentiometer and its Adjuncts*, 256.

Fitzpatrick, T. C., *A Laboratory Notebook of Elementary Practical Physics*, 184.

Franklin, W. S., Duhem's *Traité Élémentaire de Mèchanique Chimique fondèe sur la Thermodynamique*, 170.

G.

Gage, Alfred P., *Physical Experiments, a Manual and Notebook*, 185.

Gerard, Eric, *Electricity and Magnetism*, 180.

H.

Hall, Edwin R., *A Text Book of Physics*, 185.

Hammel, William A., *Observation Blanks in Physics*, 185.

Harrington, Charles L., *Physics for Grammar Schools*, 185.

Hay, Alfred, *Principles of Alternating Current Working*, 254.

Heat, Mechanical equivalent of, *Day*, 193.

J.

Joyce, Samuel, *Examples in Electrical Engineering*, 256.

L.

Latitude variation in a rigid earth as illustrated by Maxwell's dynamical top, *Crew*, 153.

Lawrence, Henry E., Wright's *Induction Coil in Practical Work including Röntgen X-Rays*, 126.

Lees, Charles H., *Intermediate Course of Practical Physics*, 184.

Liquid dielectrics, Disruptive discharge in, *Edmondson*, 65.

Liquids, Surface tension of, *Barnett*, 257.

M.

Magie, William F., Revision of Anatomy and Brackett's *Elementary Text-Book on Physics*, 175.

Translation of Christiansen's *Elements of Theoretical Physics*, 190.

Magnetic substances, Susceptibility of weakly, *Wills*, 223.

Magneto-optic phenomena, Theory of, *Wind*, 43, 98.

Matthews, C. P., Anthony and Brackett's *Elementary Text-Book on Physics*, 175.

On the methods of measuring mean horizontal candle-power, 55.

Maxwell's dynamical top, latitude variation in a rigid earth as illustrated by, *Crew*, 153.

Mean horizontal candle-power of a glow lamp, measured by whirling, 55.

Mechanical equivalent of heat, *Day*, 193.

Merrill, George A., *Physics Course of the California School of Mechanical Arts*, 185.

Merritt, Ernest, Christiansen's *Elements of Theoretical Physics*, 190.

Vacuum tube to illustrate the slow diffusion of the residual gases in high vacua, 167.

Method of obtaining pores or capillary canals of specified diameter, *Barus*, 52.

Methods of measuring mean horizontal candle-power, *Matthews*, 55.

Miller, G. A., Burnside's *Theory of Groups of a Finite Order*, 182.

Müller, G., *Die Photometrie der Gestirne*, 60.

Murray, D. A., *Introductory Course in Differential Equations*, 62.

N.

Nichols, E. L., Austin and Thwing's *Exercises in Physical Measurement*, 184.

Engelmann's *Tafeln und Tabellen zur Darstellung der Ergebnisse spectroskopischer und spectrophotometrischer Beobachtungen*, 183.

Gage's *Physical Experiments, a Manual and Note-book*, 185.

Hall and Bergen's, *A Text-book of Physics*, 185.

Hammel's *Observation Blanks in Physics*, 185.

Harrington's *Physics for Grammar Schools*, 185.
Merrill and Baldwin's *Physics Course of the California School of Mechanical Arts*, 185.
Schuster and Lee's *Intermediate Course of Practical Physics*, 184.
Singer and Burnes' *Some Unrecognized Laws of Nature*, 127.
Transactions of the American Institute of Electrical Engineers, 181.
Wiedemann and Ebert's *Physikalisches Praktikum*, 184.
Wilberforce and Fitzpatrick's *A Laboratory Note-book of Elementary Practical Physics*, 184.
Wuellner's *Lehrbuch der Experimentalphysik*, 252.
Note, William A. Rogers, 315.

O.

Oils, Specific inductive capacity of, *Clark*, 120.
Oscillations, Experimental determination of the period of electrical, *Webster*, 297.

P.

Paris standard, A comparison of Rowland's thermometers with, *Day*, 193.
Perry, John, *Applied Mechanics*, 189.
The Calculus for Engineers, 179.
Polarization of light reflected from hard rubber, *Bruère*, 140.
Pores of specified diameter, On a method of obtaining, *Barus*, 52.
Potential, Fall of, at the surface of a metal when exposed to the discharging action of the X-rays, *Child*, 285.
Potential gradient, Apparatus for illustrating, 164.

Q.

Quartz fibers, Rigidity of, *Barnett*, 114.
Quick, R. W., Hay's *Principles of Alternating Current Working*, 254.

R.

Rays, Becquerel, A resumé of the experiments dealing with the properties of, *Stewart*, 239.
Resumé of the experiments dealing with the properties of Becquerel rays, *Stewart*, 239.
Rogers, William A., Note, 315.
Rosa, Edward B., An electric curve tracer, 17.
Rowland's thermometers, A comparison of with the Paris standard, *Day*, 193.
Rubber Polarization of light reflected from, *Bruère*, 140.

S.

Scheiner, J., *Die Photographie der Gestirne*, 58.
Schuster, Arthur, *Intermediate Course of Practical Physics*, 184.
Singer, Ignatius, *Some Unrecognized Laws of Nature*, 127.
Smith, Percy F., Murray's *Introductory Course in Differential Equations*, 62.
Sound, Attenuation of, *Duff*, 129.
Specific inductive capacity of oils, *Clark*, 120.
Stewart, Oscar M., A resumé of the experiments dealing with the properties of Becquerel rays, 239.
Stone, Isabelle, On electrical resistance of thin films, 1.
Surface tension of liquids under the influence of electrostatic induction, *Barnett*, 257.
Susceptibility of diamagnetic and weakly magnetic substances, *Wills*, 223.

T.

Theory of magneto-optic phenomena, *Wind*, 43, 98.
Thwing, Charles B., *Exercises in Physical Measurement*, 184.
Top, Maxwell's dynamical, *Crew*, 153.
Tucker, R. H. Müller's *Die Photometrie der Gestirne*, 60.
Scheiner's *Die Photographie der Gestirne*, 58.

V.

Vacua, Diffusion of residual gases in high, *Merritt*, 167.

W.

Webster, Arthur Gordon, An experimental determination of the period of electrical oscillations, 297.

Wiedemann, Eilhard, *Physikalisches Praktikum*, 184.

Wilberforce, L. R., *A Laboratory Notebook of Elementary Practical Physics*, 184.

Wills, Albert P., On the susceptibility of diamagnetic and weakly magnetic substances, 223.

Wind, C. H., Theory of magneto-optic phenomena, 43, 98.

Wood, R. W., Apparatus for illustrating potential gradient, 164.

Apparatus for showing the conductivity of gases, 165.

Wright, Lewis, *Induction Coil in Practical Work including Röntgen X-Rays*, 126.

Wright, T. W., Perry's *Applied Mechanics*, 189.

Wuellner, A., *Lehrbuch der Experimentalphysik*, 252.

X.

X-rays, Fall of potential at the surface of a metal when exposed to the discharging action of, *Child*, 285.